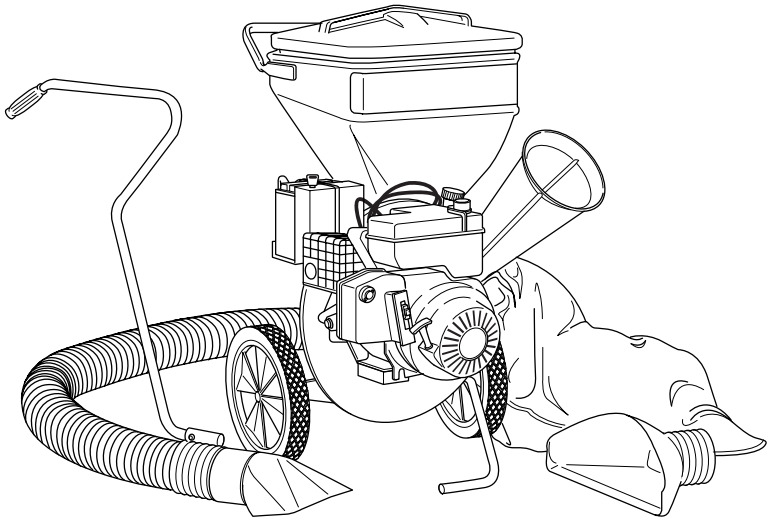
Simplicity®

Baker™

Parts Manual



6/14E Series Electric Start

CHIPPER/SHREDDER

Simplicity 6/14E Models

Mfg. No.	Description
1692902	6/14E, 6HP Electric Start Chipper/Shredder
1692903	6/14E, 6HP Electric Start Chipper/Shredder (Export)

Baker 6/14E Models

Mfg. No.	Description
1692904	6/14E, 6HP Electric Start Chipper/Shredder

Rev. 11/97
TP 400-2120-00-CS-SB

Simplicity®
MANUFACTURING, INC.

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CHIPPER/SHREDDER PARTS

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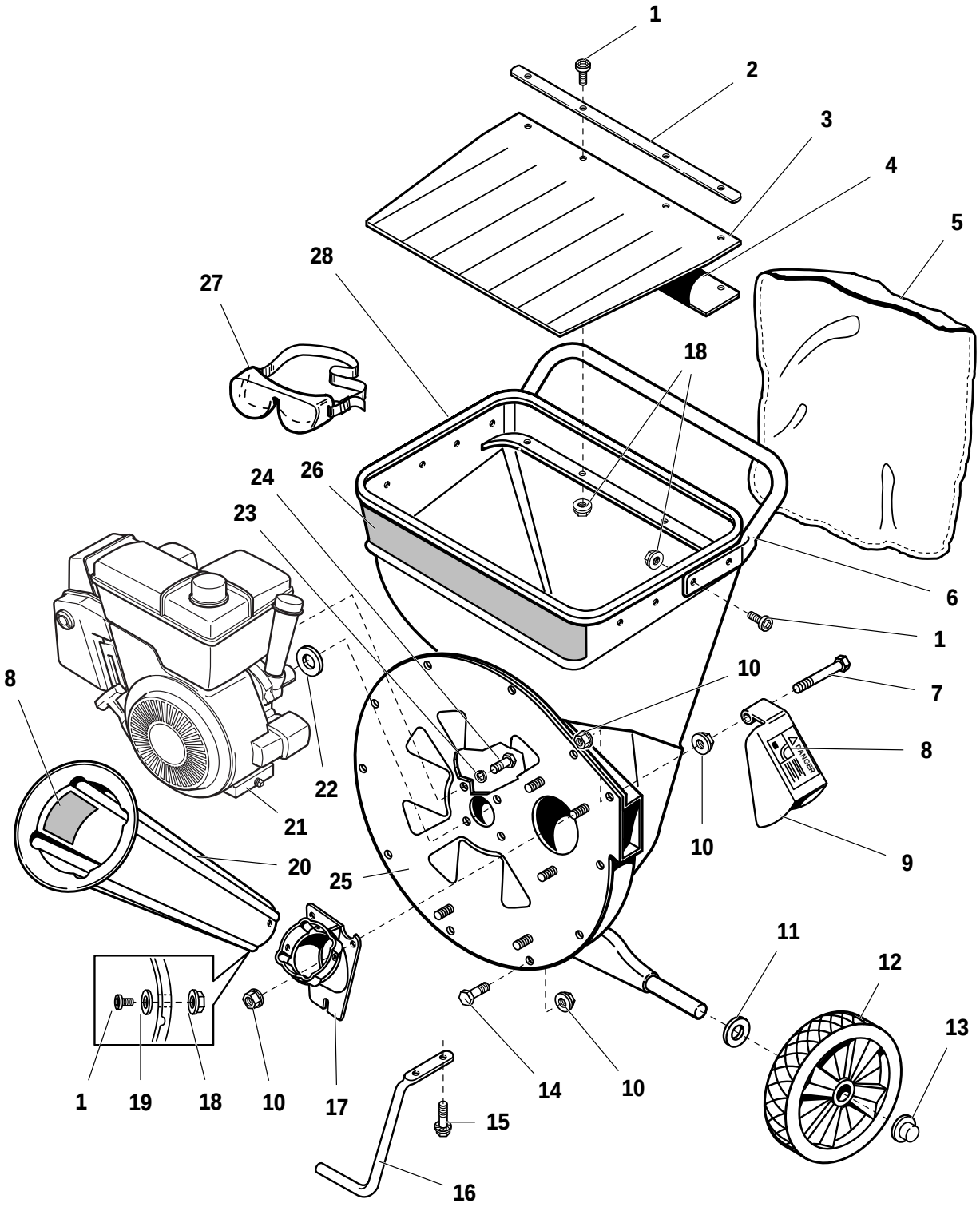
Hopper & Engine Group

A-CS421209A

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

1692902 6/14E Chipper/Shredder (Simplicity)
1692904 6/14E Chipper/Shredder (Baker)

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Hopper & Engine Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1960507	12	SCREW, Button Hd., Hex socket,1/4-20 x 3/4
2	1098100	1	RETAINER STRIP, Hopper Guard
3	1095100	1	GUARD, Hopper
4	1709603	1	SUPPORT, Hopper Guard
5	1709403	1	BAG, Collection, 24” x 36”
6	3621100	1	HANDLE, Hopper
7	1926106	2	CAPSCREW, Hex Hd. 5/16-18 x 3-1/4, Grade 5
8	5001612	3	DECAL, Danger
9	3685100	1	DEFLECTOR, Discharge
10	1931277	13	NUT, Hex Whiz-lock, 5/16-18
11	1924361	2	WASHER, Plain,17/32 x 1-1/4 x 5/64
12	1714250	2	WHEEL & TIRE, 1.75 x 12”
13	1960519	2	PUSH NUT, 1/2” dia.
14	1925205	8	CAPSCREW, Hex Hd., 5/16-18 x 5/8
15	1928635	3	SCREW, Taptite, 3/8-16 x 1-1/4
16	1713099	1	ROD, Leg
17	1714939	1	CHIPPER CONE CASTING, 3”
18	1930642	12	FLANGE NUT, 2-way lock, 1/4-20
19	1921319	4	WASHER, Plain
20	1069100	1	CONE, Chipper, 3” Yellow
20	1709409	1	CONE, Chipper, 3” Orange
21	*	1	ENGINE
22	118403	1	SHIELD
23	1917356	8	LOCKWASHER, Spring, 5/16
24	1921515	4	CAPSCREW, Hex, 5/16-24 x 3/4
25	1714085	1	ENGINE PLATE ASSY.
26	1717124	1	DECAL, 6/14E Simplicity (Mfg. 1692902 only)
26	1717125	1	DECAL, 6/14E Baker (Mfg. 1692904 only)
27	2005612	1	GOGGLES
28	1018100	1	HOPPER-SHREDDER, Yellow (Mfg. No. 1692904 only)
28	1709401	1	HOPPER-SHREDDER, Orange (Mfg. No. 1692902 only)

Footnotes:

* See your local Tecumseh deal for Engine parts and service.

The above parts group applies to the following Mfg. Nos.:

1692902 6/14E Chipper/Shredder (Simplicity)
1692904 6/14E Chipper/Shredder (Baker)

Hopper & Engine Group - Export Models

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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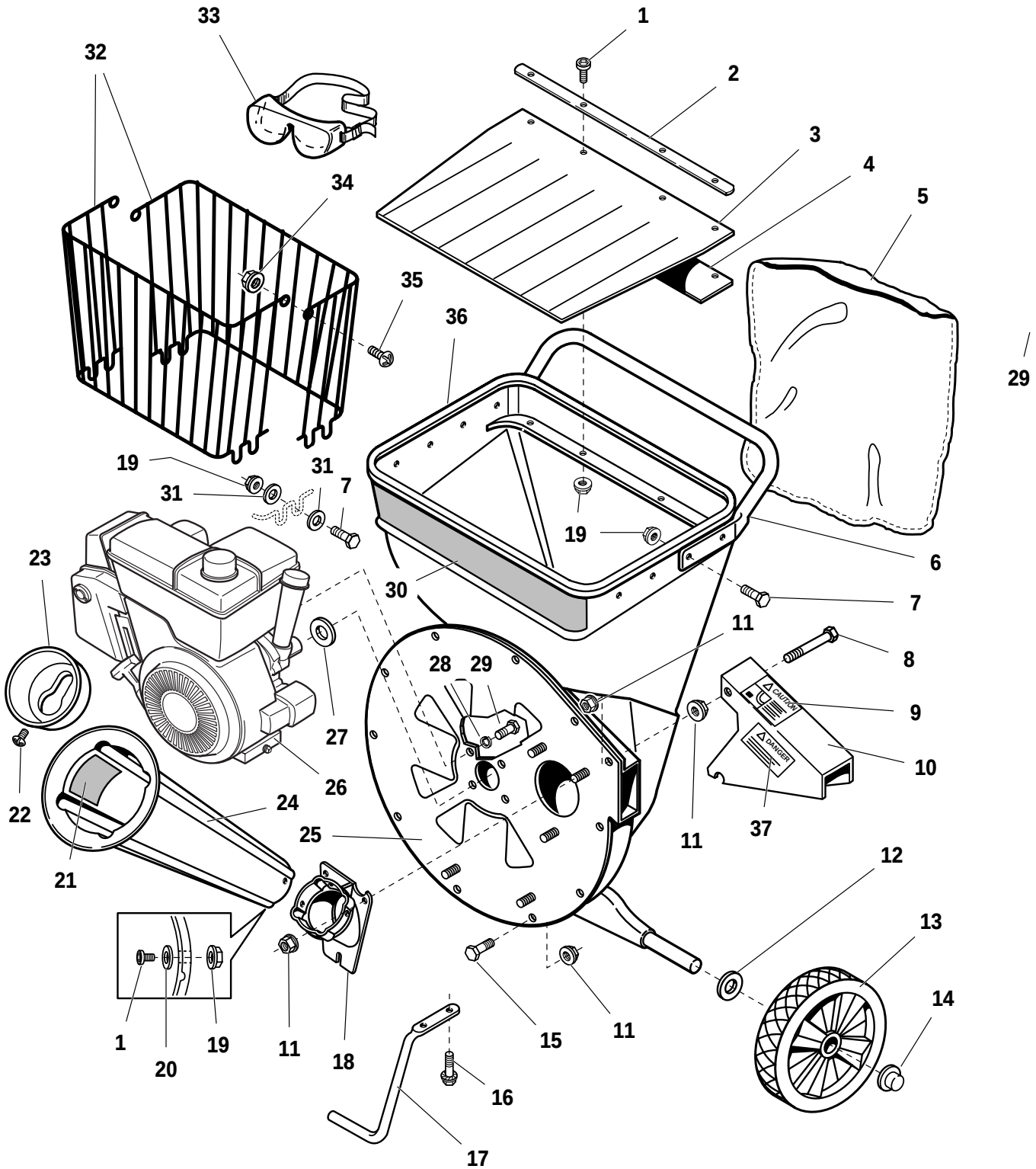

The above parts group applies to the following Mfg. Nos.:

1692903 6/14E Chipper/Shredder (Export)

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Hopper & Engine Group - Export Models

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1960507	8	SCREW, Button Hd., Hex socket,1/4-20 x 3/4
2	1098100	1	RETAINER STRIP, Hopper Guard
3	1095100	1	GUARD, Hopper
4	1709603	1	SUPPORT, Hopper Guard
5	1709403	1	BAG, Collection, 24” x 36”
6	3621100	1	HANDLE, Hopper
7	1921960	8	CAPSCREW, Hex Hd., 1/4-20 x 1 Grade 5
8	1926106	2	CAPSCREW, Hex Hd. 5/16-18 x 3-1/4, Grade 5
9	1714640	1	DECAL, Caution/Deflector
10	1709556	1	DEFLECTOR, Discharge
11	1931277	13	NUT, Hex Whiz-lock, 5/16-18
12	1924361	2	WASHER, Plain,17/32 x 1-1/4 x 5/64
13	1714250	2	WHEEL & TIRE, 1.75 x 12”
14	1960519	2	PUSH NUT, 1/2” dia.
15	1925205	8	CAPSCREW, Hex Hd., 5/16-18 x 5/8
16	1928635	3	SCREW, Taptite, 3/8-16 x 1-1/4
17	1713099	1	ROD, Leg
18	1714939	1	CHIPPER CONE CASTING, 3”
19	1930642	8	FLANGE NUT, 2-way lock, 1/4-20
20	1921319	4	WASHER, Plain
21	5001612	3	DECAL, Danger
22	1926025	2	SCREW, Rnd. Hd. Phillips, 1/4-20 x 1/2
23	1709729	1	INSERT, Cone
24	1713520	1	CONE, Chipper, 3” Orange
25	1714085	1	ENGINE PLATE ASSY.
26	*	1	ENGINE
27	118403	1	SHIELD
28	1917356	8	LOCKWASHER, Spring, 5/16
29	1921515	4	CAPSCREW, Hex, 5/16-24 x 3/4
30	1717124	1	DECAL, 6/14E Simplicity
31	1960151	12	WASHER, Plain, 1/4 x 1-1/4 x 5/64
32	1709561	2	HOPPER, Half
33	2005612	1	GOGGLES
34	1927557	2	NUT, Flange Whiz-lock, 5/16-18
35	1918249	2	SCREW, Truss Hd. 5/16-18 x 3/4
36	1709401	1	HOPPER-SHREDDER, Orange
37	1709529	1	DECAL, Danger

Footnotes:

* See your local Tecumseh deal for Engine parts and service.

The above parts group applies to the following Mfg. Nos.:

1692903 6/14E Chipper/Shredder (Export)

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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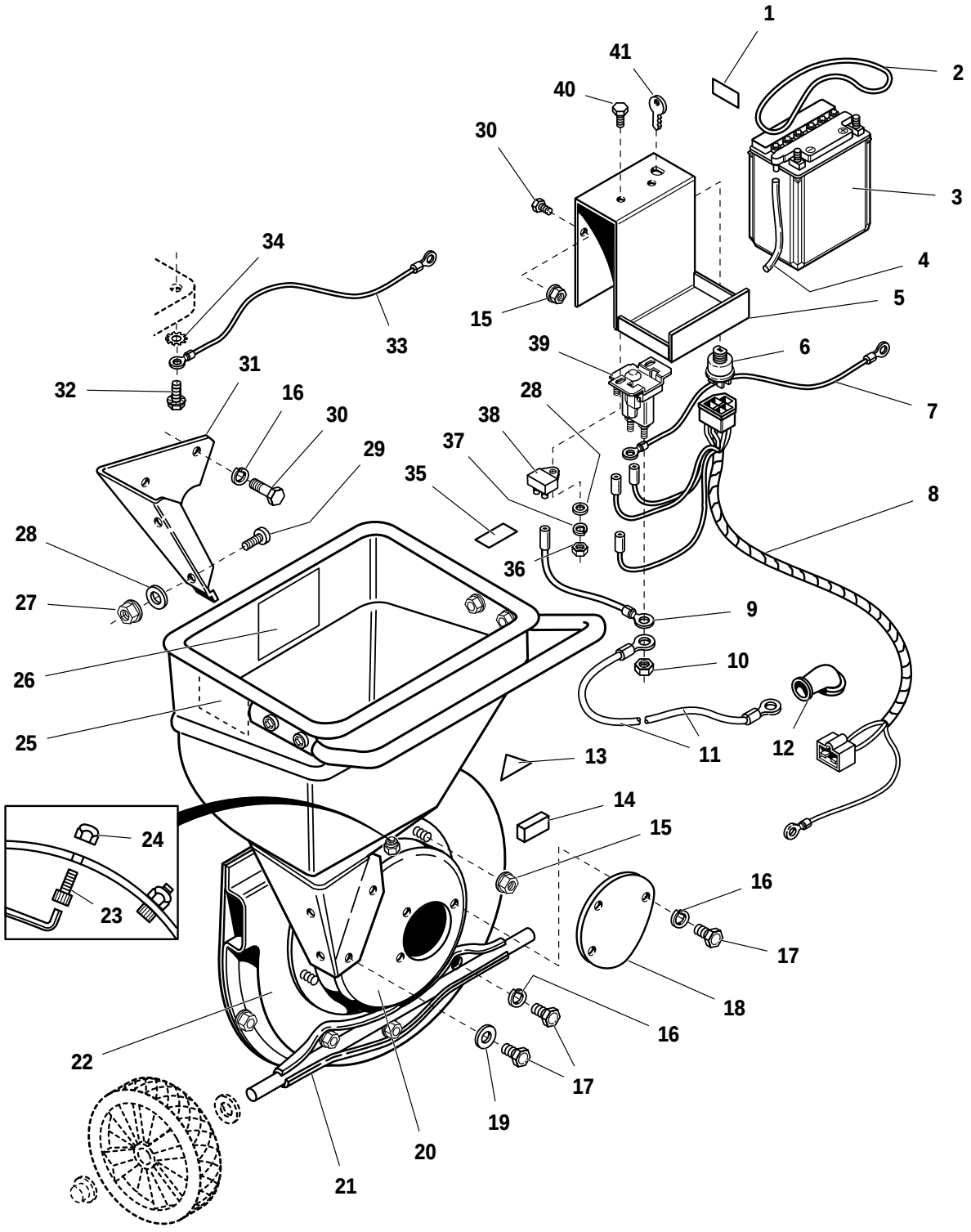

The above parts group applies to the following Mfg. Nos.:

1692902 6/14E Chipper/Shredder (Simplicity)
1692903 6/14E Chipper/Shredder (Export)
1692904 6/14E Chipper/Shredder (Baker)

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Housing & Electrical Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1716893	1	DECAL, Ignition Switch
2	1665872	1	STRAP, Battery
3	1686695	1	BATTERY
4	*	1	TUBE, Battery (Not Serviced)
5	1716892	1	BOX, Battery
6	1686637	1	KEY SWITCH
7	1707056	1	CABLE, #6 x 15, 5/16 + 1/4
8	1716894	1	WIRE ASSY.
9	1665237	1	WIRE ASSY, Circuit Breaker
10	1920263	2	NUT, Hex, 5/16-24
11	1668819	1	CABLE, #6 x 25, 5/16 + 1/4
12	122023	4	COVER, Terminal
13	*	1	DECAL , OPEI (Not Serviced)
14	1713337	1	PAD, Foam
15	1931277	12	NUT, Hex whiz lock, 5/16-18
16	1917356	8	LOCKWASHER, Spring, 5/16
17	1920787	8	CAPSCREW, Hex. Hd., 5/16-18 x 1/2, Grade 5
18	3520100	1	COVER, Rotor Housing
19	1924874	4	WASHER, Plain, 11/32 x 7/8 x 1/16
20	3521100	1	HOUSING ASSY., Rotor
21	3505100	1	AXLE ASSY.
22	3501100	1	FAN HOUSING ASSY.
23	6005100	2	CAPSCREW, Socket Hd., 5/16-18 x 1/2
24	1919438	2	NUT, Fiber lock, 5/16-18
25	5001612	1	DECAL, Danger
26	5004100		DECAL , Caution/Operate
27	1930642	2	NUT, Flange, 2-way Lock, 1/4-20
28	1921319	4	WASHER, Plain,17/64 x5/8 x 3/64
29	1960507	2	SCREW, Button Hd. Hex Socket, 1/4-20 x 3/4
30	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4
31	3525100	1	LINER, Hopper
32	1928635	1	SCREW, taptite, 3/8-16 X 1-1/4
33	1703589	2	CABLE, #6 x 31, 3/8 + 1/4
34	920427	1	LOCKWASHER, Ext., Tooth
35	*	1	DECAL, Patent, Chippers (Not Serviced)
36	1916622	3	NUT, Hex, 1/4-20
37	1916964	3	LOCKWASHER, 1/4
38	1665238	1	CIRCUIT BREAKER
39	1685290	1	SOLENOID
40	1921959	2	CAPSCREW, Hex Hd. 1/4-20 x 5/8
41	1717163	1	KEY, Ignition

Footnotes:

* Not a service part.

The above parts group applies to the following Mfg. Nos.:

1692902 6/14E Chipper/Shredder (Simplicity)
1692903 6/14E Chipper/Shredder (Export)
1692904 6/14E Chipper/Shredder (Baker)

Rotor Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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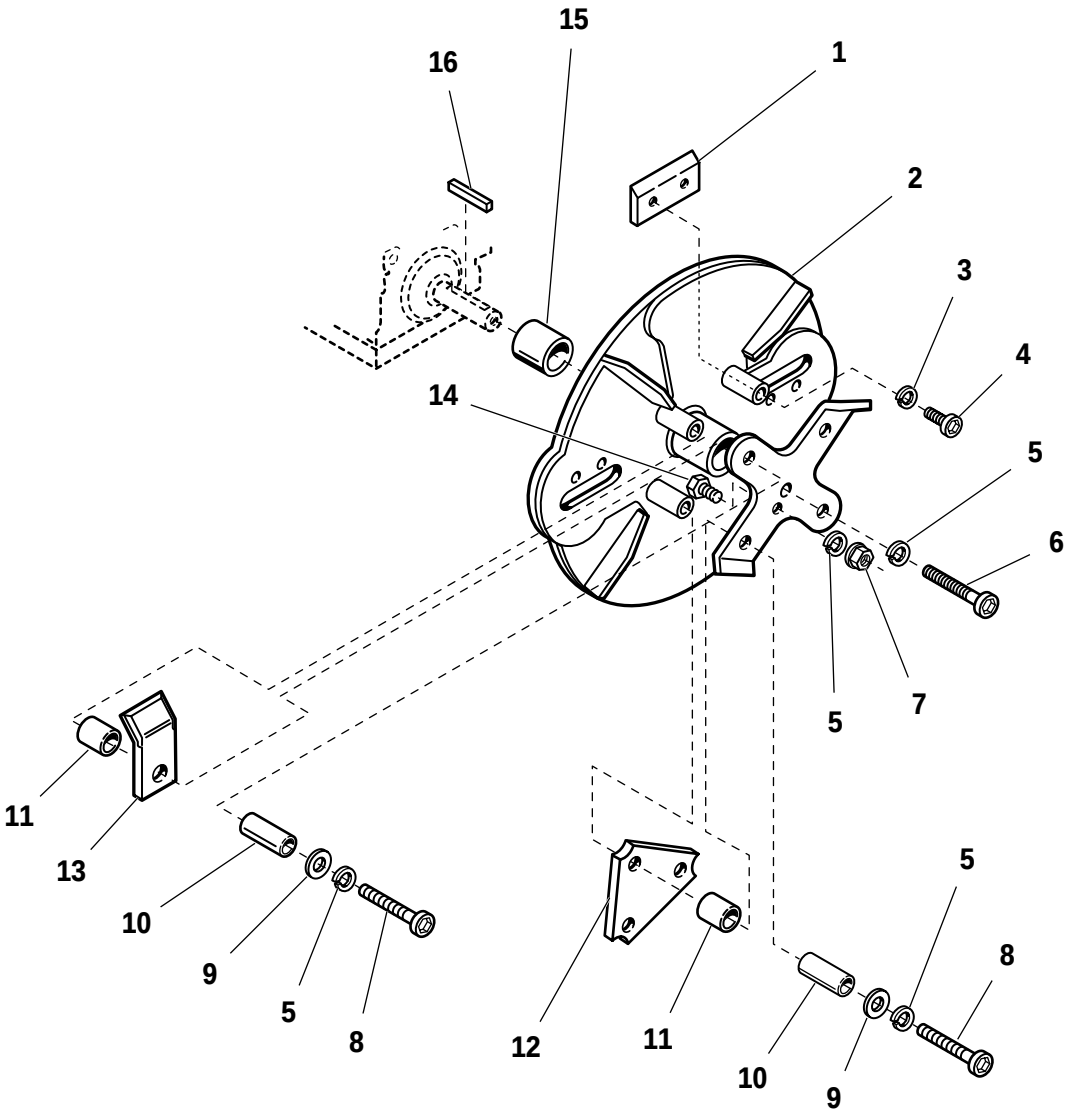

The above parts group applies to the following Mfg. Nos.:

1692902 6/14E Chipper/Shredder (Simplicity)
1692903 6/14E Chipper/Shredder (Export)
1692904 6/14E Chipper/Shredder (Baker)

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Rotor Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3315612	2	CHIPPER, Knife
2	1714177	1	ROTOR ASSY.
3	1917356	4	LOCKWASHER, Spring, 5/16
4	6005612	4	CAPSCREW, Socket Hd. 5/16-24 x 5/8
5	1916965	3	LOCKWASHER, 3/8-16
6	6516100	1	CAPSCREW, Socker Hd. 3/8-25 x 2, Grade 8
7	1916950	2	NUT, Hex, 3/8-16
8	1960508	4	CAPSCREW, Socket Hd. , 3/8-16 x 2, Grade 8
9	1924940	4	WASHER, Plain, 13/32 x 7/8 x 5/64
10	1709614	4	SPACER,
11	1709616	4	SPACER, 33/64 X 1 X 33/64
12	3307612	2	HAMMER-TRIANGLE
13	3307100	2	HAMMER-J
14	6518100	2	CAPSCREW, Socket Hd. 3/8-16 x 5/8
15	3299100	1	SPACER, Rotor, 13/32 x 1 x 13/16
16	905100	1	KEY, Square, 1/4 x 1/4 x 2-1/4

Footnotes:

The above parts group applies to the following Mfg. Nos.:

1692902 6/14E Chipper/Shredder (Simplicity)
1692903 6/14E Chipper/Shredder (Export)
1692904 6/14E Chipper/Shredder (Baker)

Part Number Index by Page Number

Part No.	Page No	Ref No.	Part No.	Page No	Ref No.	Part No.	Page No	Ref No.	Part No.	Page No	Ref No.	Part No.	Page No	Ref No.
*	2	21	1916950	8	7	3685100	2	9						
*	4	26	1916964	6	37	5001612	2	8						
*	6	4	1916965	8	5	5001612	4	21						
*	6	13	1917356	2	23	5001612	6	25						
*	6	35	1917356	4	28	5004100	6	26						
118403	2	22	1917356	6	16	6005100	6	23						
118403	4	27	1917356	8	3	6005612	8	4						
122023	6	12	1918249	4	35	6516100	8	6						
905100	8	16	1919438	6	24	6518100	8	14						
920427	6	34	1920263	6	10									
1018100	2	28	1920787	6	17									
1069100	2	20	1921319	2	19									
1095100	2	3	1921319	4	20									
1095100	4	3	1921319	6	28									
1098100	2	2	1921332	6	30									
1098100	4	2	1921515	2	24									
1665237	6	9	1921515	4	29									
1665238	6	38	1921959	6	40									
1665872	6	2	1921960	4	7									
1668819	6	11	1924361	2	11									
1685290	6	39	1924361	4	12									
1686637	6	6	1924874	6	19									
1686695	6	3	1924940	8	9									
1703589	6	33	1925205	2	14									
1707056	6	7	1925205	4	15									
1709401	2	28	1926025	4	22									
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1709409	2	20	1928635	2	15									
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1709614	8	10	1931277	2	10									
1709616	8	11	1931277	4	11									
1709729	4	23	1931277	6	15									
1713099	2	16	1960151	4	31									
1713099	4	17	1960507	2	1									
1713337	6	14	1960507	4	1									
1713520	4	24	1960507	6	29									
1714085	2	25	1960508	8	8									
1714085	4	25	1960519	2	13									
1714177	8	2	1960519	4	14									
1714250	2	12	2005612	2	27									
1714250	4	13	2005612	4	33									
1714640	4	9	3299100	8	15									
1714939	2	17	3307100	8	13									
1714939	4	18	3307612	8	12									
1716892	6	5	3315612	8	1									
1716893	6	1	3501100	6	22									
1716894	6	8	3505100	6	21									
1717124	2	26	3520100	6	18									
1717124	4	30	3521100	6	20									
1717125	2	26	3525100	6	31									
1717163	6	41	3621100	2	6									
1916622	6	36	3621100	4	6									

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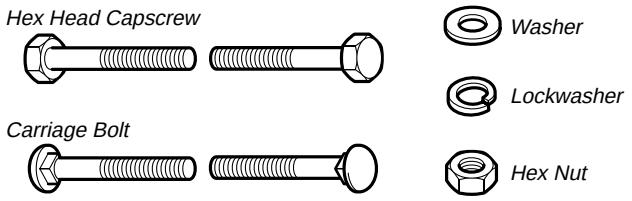
Hardware Identification & Torque Specifications

Common Hardware Types

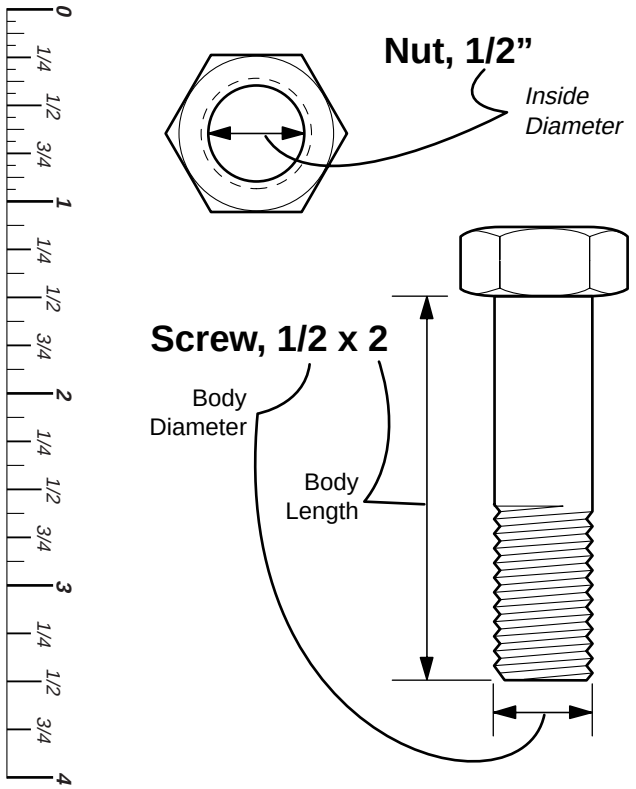


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	**in/lbs** **ft/lbs**	Nm.
8-32	*19*	2.1	*30*	3.4	*41*	4.6
8-36	*20*	2.3	*31*	3.5	*43*	4.9
10-24	*27*	3.1	*43*	4.9	*60*	6.8
10-32	*31*	3.5	*49*	5.5	*68*	7.7
1/4-20	*66*	7.6	**8**	10.9	**12**	16.3
1/4-28	*76*	8.6	**10**	13.6	**14**	19.0
5/16-18	**11**	15.0	**17**	23.1	**25**	34.0
5/16-24	**12**	16.3	**19**	25.8	**27**	34.0
3/8-16	**20**	27.2	**30**	40.8	**45**	61.2
3/8-24	**23**	31.3	**35**	47.6	**50**	68.0
7/16-14	**30**	40.8	**50**	68.0	**70**	95.2
7/16-20	**35**	47.6	**55**	74.8	**80**	108.8
1/2-13	**50**	68.0	**75**	102.0	**110**	149.6
1/2-20	**55**	74.8	**90**	122.4	**120**	163.2
9/16-12	**65**	88.4	**110**	149.6	**150**	204.0
9/16-18	**75**	102.0	**120**	163.2	**170**	231.2
5/8-11	**90**	122.4	**150**	204.0	**220**	299.2
5/8-18	**100**	136	**180**	244.8	**240**	326.4
3/4-10	**160**	217.6	**260**	353.6	**386**	525.0
3/4-16	**180**	244.8	**300**	408.0	**420**	571.2
7/8-9	**140**	190.4	**400**	544.0	**600**	816.0
7/8-14	**155**	210.8	**440**	598.4	**660**	897.6
1-8	**220**	299.2	**580**	788.8	**900**	1,244.0
1-12	**240**	326.4	**640**	870.4	**1,000**	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Wrench & Fastener Size Guide

1/4" Bolt or Nut
Wrench—7/16"

5/16" Bolt or Nut
Wrench—1/2"

3/8" Bolt or Nut
Wrench—9/16"

7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"

1/2" Bolt or Nut
Wrench—3/4"